DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

#### **NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315–2590 F (786) 315–2599

www.miamidade.gov/economy

Centria, Inc.

1005 Beaver Grade Road Moon Township, PA 15108

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

#### DESCRIPTION: Series "Formavue FV400HR" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **001**, titled Series "Formavue FV400HR Window System", sheets 1 through 11 of 11, dated 10/16/09 with the latest revision, dated 08/30/12, prepared by manufacture, signed and sealed by John Pflugh, P. E., bearing the Miami–Dade County Product Control Section Approval stamp with the Notice of Acceptance number and expiration date by the Miami–Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY
APPROVED

J. 648.000

NOA No. 09–1117.02 Expiration Date: September 27, 2017 Approval Date: September 27, 2012

Page 1

#### Centria, Inc.

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **001**, titled Series "Formavue FV400HR Window System", sheets 1 through 11 of 11, dated 10/16/09 with the latest revision, dated 08/30/12, prepared by manufacture, signed and sealed by John Pflugh, P. E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202–94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum fixed window system, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **FET-T2008-09**, dated 07/08/09, signed and sealed by Daniel G. Farabaugh, P.E.

#### C. CALCULATIONS

- 1. Anchor calculations and structural analysis, complying with FBC–2010, prepared by manufacture, dated 08/10/12, signed and sealed by John Pflugh, P. E.
- 2. Glazing complies with ASTM E1300-04

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

#### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11–1102.09 issued to Solutia, Inc. for their "Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 06/14/12, expiring on 12/11/13

#### F. STATEMENTS

- 1. Statement letter of no financial interest, conformance and complying with FBC-2010, issued by manufacture, dated 09/19/12, signed and sealed by John Pflugh, P. E.
- 2. Laboratory addendum letter for Test Report No. **FET-T208-09**, issued by Farabaugh Engineering and Testing, Inc., dated 06/24/11, signed and sealed by Daniel G. Farabaugh, P. E.
- **3.** Laboratory compliance letter for Test Report No. **FET-T208-09**, issued by Farabaugh Engineering and Testing, Inc., dated 07/08/09, signed and sealed by Daniel G. Farabaugh, P. E.

#### G. OTHERS

1. None.

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 09–1117.02

Expiration Date: September 27, 2017

Approval Date: September 27, 2012

# **GENERAL NOTES**

This window system had been tested, analyzed and approved for use in HVHZ and non-HVHZ areas for pressures not to exceed the following:

ALLOWABLE DESIGN PRESSURE: + or -90 PSF

Maximum window module height is 6'-0 (5'-6 Day Light Opening). Windows may be stacked any number of units high.

Maximum window module width is 6'-0 (5'-9 Day Light Opening). Windows may be joined any number of units wide.

Structural supports and anchorage must be designed, erected and installed to support the loads transmitted by this window system:

Materials, including steel screws, that contact dissimilar materials shall meet the requirements of the 2010 Florida Building Code, Section 2003.8.4.

This window system is in conformance with the 2010 Florida Building Code and was tested in accordance with Test Protocols TAS-201, TAS-202 and TAS-203 for large missile impact ONLY.

Impact shutters are not required for this window system.

# **MATERIAL SPECIFICATIONS**

Norton Thermalbond V2110 Polyurethane Foam Spacer Tape by Saint-Gobain Performance Plastics, Granville, NY.

 $\frac{1}{4}$ "-14 304 SS Fasteners by Atlas Bolt and Screw Company, Ashland, OH.

#12—14 304 SS Fasteners by Atlas Bolt and Screw Company, Ashland, OH.

#12—14 SS Pancake Head Fastener by Triangle Fastener Corporation, Pittsburgh, PA.

FWS88 Silicone Gasket by Tremco, Inc., Ashland, OH. Durometer 65 ±5.

FWS90 Setting Block by Tremco, Inc., Ashland, OH. Durometer  $85 \pm 5$ .

DC995 Silicone Structural Sealant by Dow Corning Corporation, Midland, MI.

Extrusions - 6063-T5 Aluminum

Steel tube supports per sized per job requirements, minimum 4"deep x 2"wide x  $\frac{3}{16}$ "wall thickness.

Angle Clips  $-4x4x\frac{1}{4}$ "-ASTM A-36, 36 ksi.

Glazing

 $1\frac{3}{32}$ " Insulating Glazing Units Composed of:

<u>3</u>" Clear Tempered glass (Outboard lite)

 $\frac{1}{16}$ " Air Space, Metal spacer

16" Clear HS glass

.100 Solutia Saflex PVB Interlayer

 $\frac{3}{16}$ " Clear HS glass

Approved as complying with the Florida Building Code
Date
NOA#
Miami Dade Product Control

By Weekly

DATE:

DATE.

No. 73494

STATE OF

TOSTONAL ENTIL

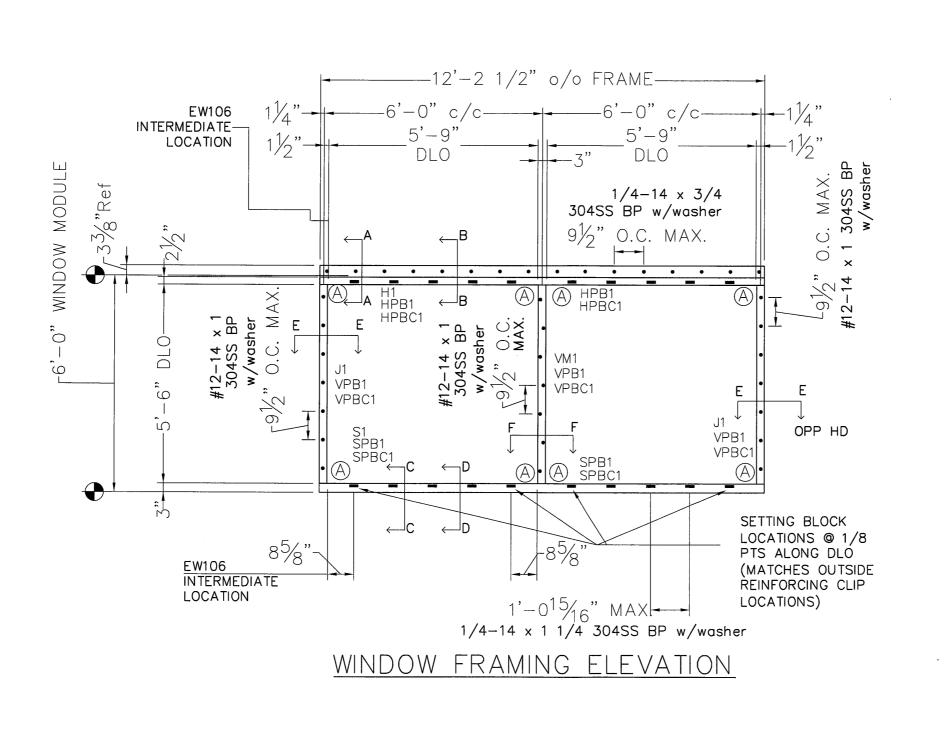
CEN	TRIA,INC
1005 BEAN MOON TWP PHONE 80	ER GRADE ROAD , PA 15108-2944 ) 759 7474
DWN. BY: ReB	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

FORMAVUE FV400HR WINDOW SYSTEM GENERAL NOTES

ISSUE	1	DAIE
ISSUE#	0	DATE: 10-16-09

ISSUE#

SHEET NO. 1 of 11



EW106 ANCHOR CLIP

DEFLECTION CLIP (==)
3/GLASS LITE/SILL
3 INCH LONG

DEFLECTION CLIP (---)

Q ONE/GLASS LITE/HEAD

2/GLASS LITE/HEAD ONE INCH LONG

REINFORCING

ANCHOR CLIP 2/GLASS LITE/SILL ONE INCH LONG

REINFORCING

3 INCH LONG

ANCHOR CLIP

ISSUE# DATE:

ISSUE# DATE:

ISSUE# 0 DATE: 10-16-09

Approved as complying with Florida Building Code

No. 73494

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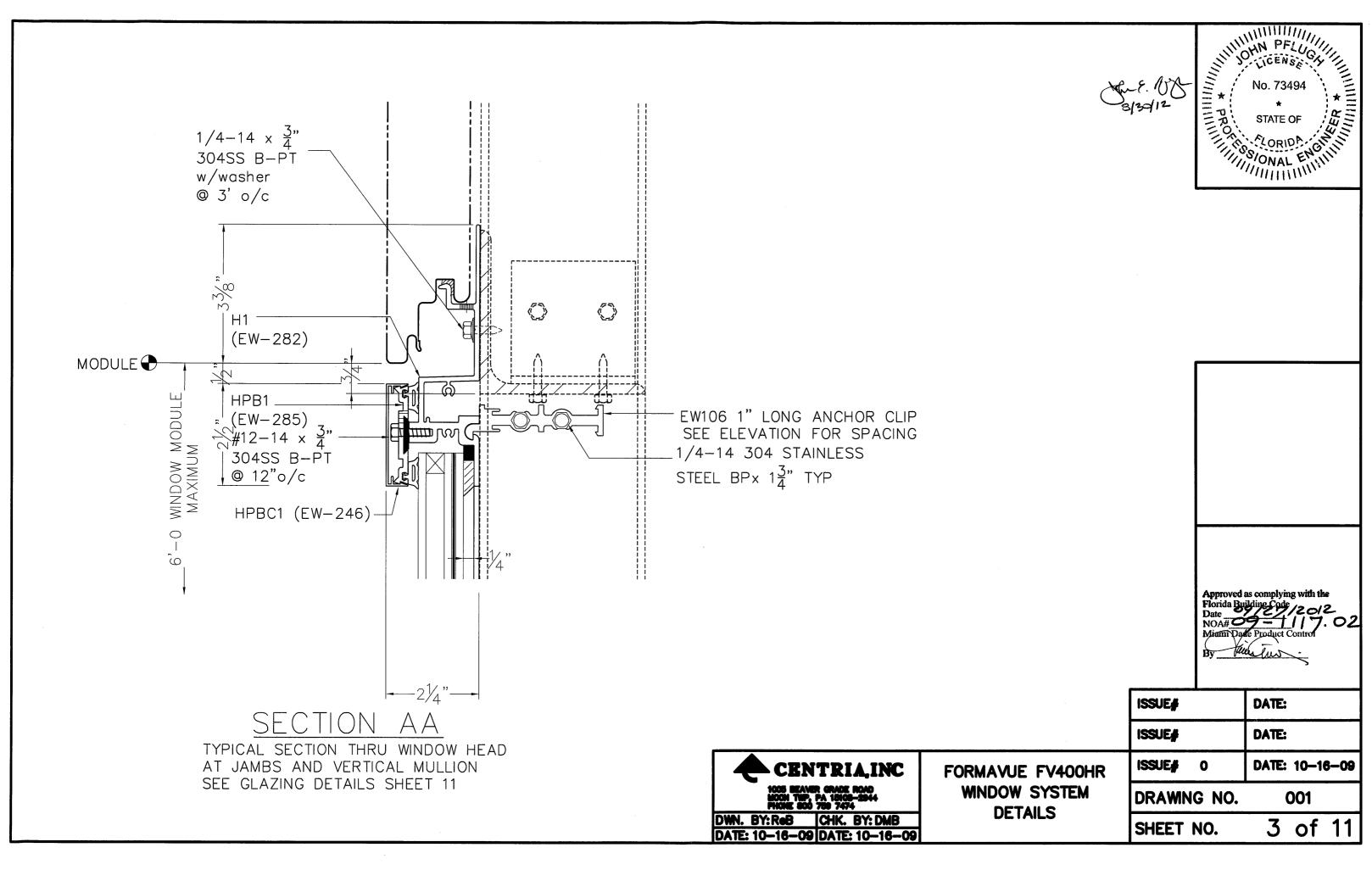
CENTRIA, INC

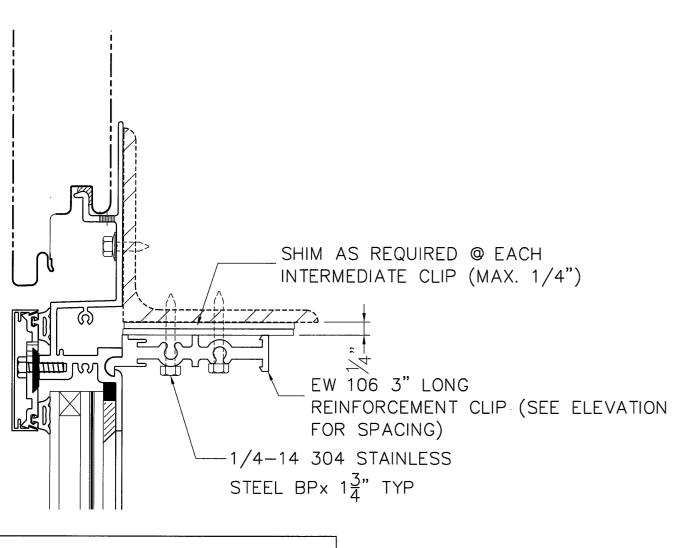
DWN. BY: ReB | CHK. BY: DMB | DATE: 10-16-09 | DATE: 10-16-09

FORMAVUE FV400HR WINDOW SYSTEM WINDOW ELEVATION

ISSUE# 0 DATE: 10-16-09
DRAWING NO. 001

SHEET NO. 2 of 11





No. 73494

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FOR PARTS NOT NOTED WORK WITH DRAWING 3 of 9 — SECTION AA

SECTION BB

TYPICAL SECTION THRU WINDOW HEAD AT INTERMEDIATE DEFLECITON CLIP

CENTRIA,INC

1005 MEANER GRADE MOAD
MOON TUP, PA 18109-2944
PHONE 800 789 7474

DWN. BY: ReB CHK. BY: DMB
DATE: 10-16-09 DATE: 10-16-09

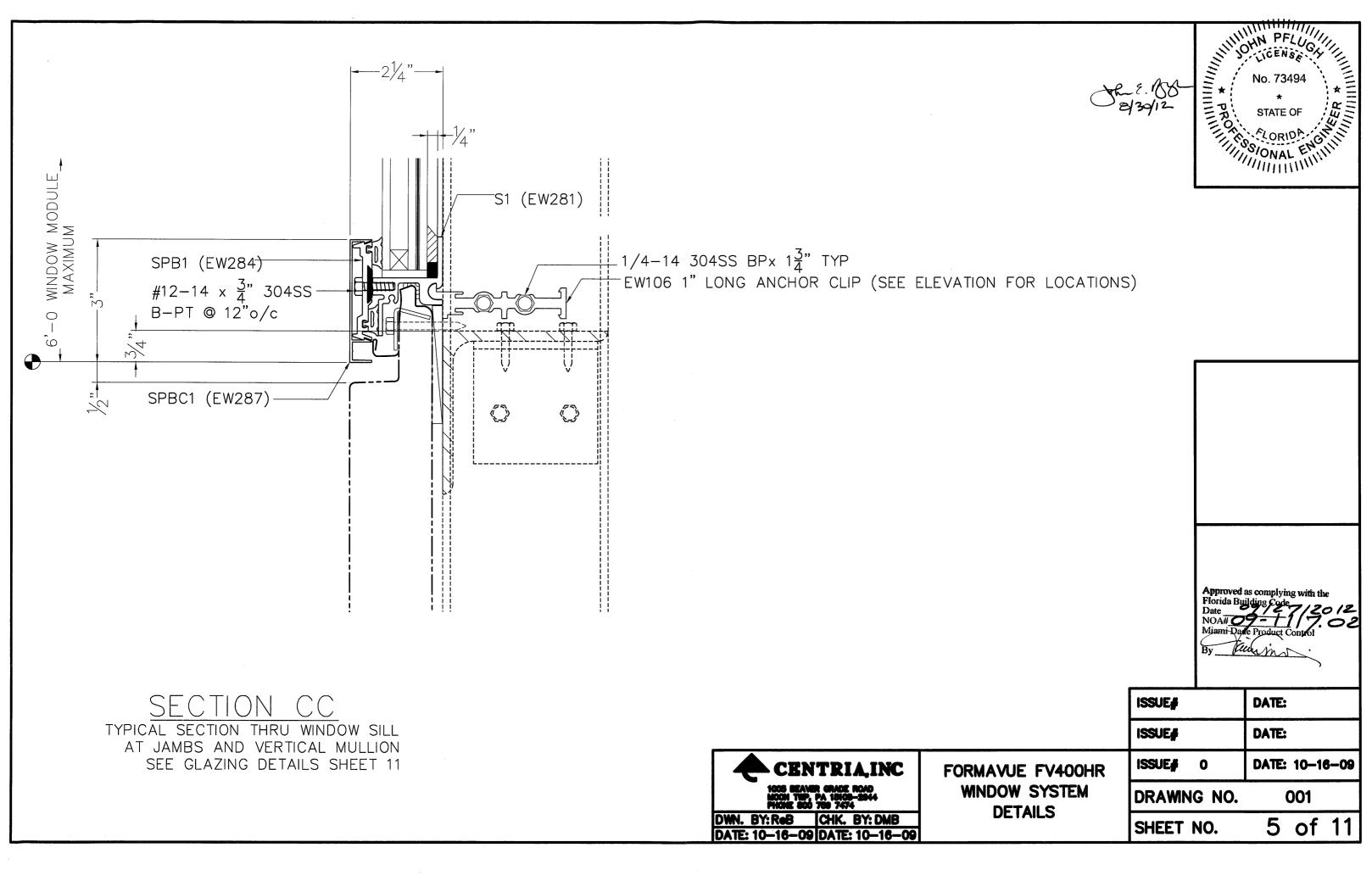
FORMAVUE FV400HR WINDOW SYSTEM DETAILS ISSUE# DATE:

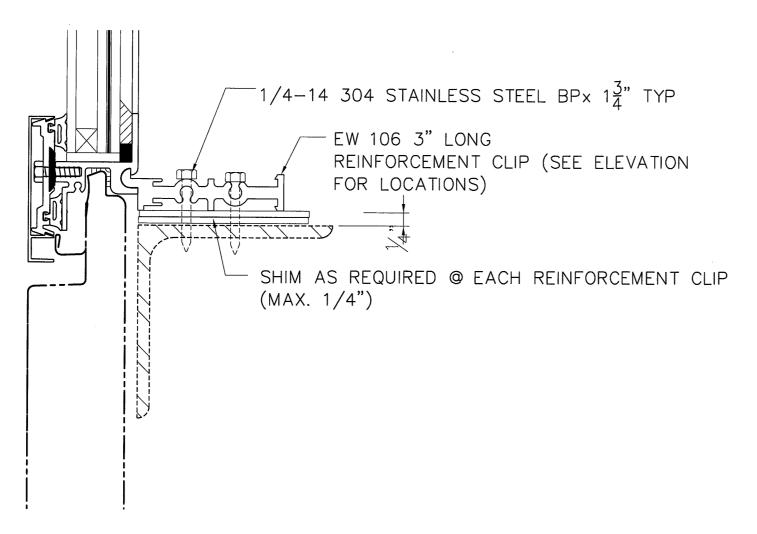
ISSUE# 0 DATE: 10-16-09

Approved as complying with the Florida Building Code

DRAWING NO. 001

SHEET NO. 4 of 11





FOR PARTS NOT NOTED WORK WITH DRAWING 5 of 9 - SECTION CC

SECTION DD

TYPICAL SECTION THRU WINDOW SILL AT INTERMEDIATE DEFLECTION CLIP

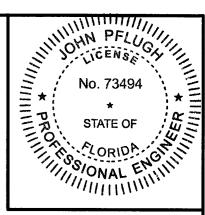
> CHK. BY: DMB DWN. BY:ReB DATE: 10-16-09 DATE: 10-16-09

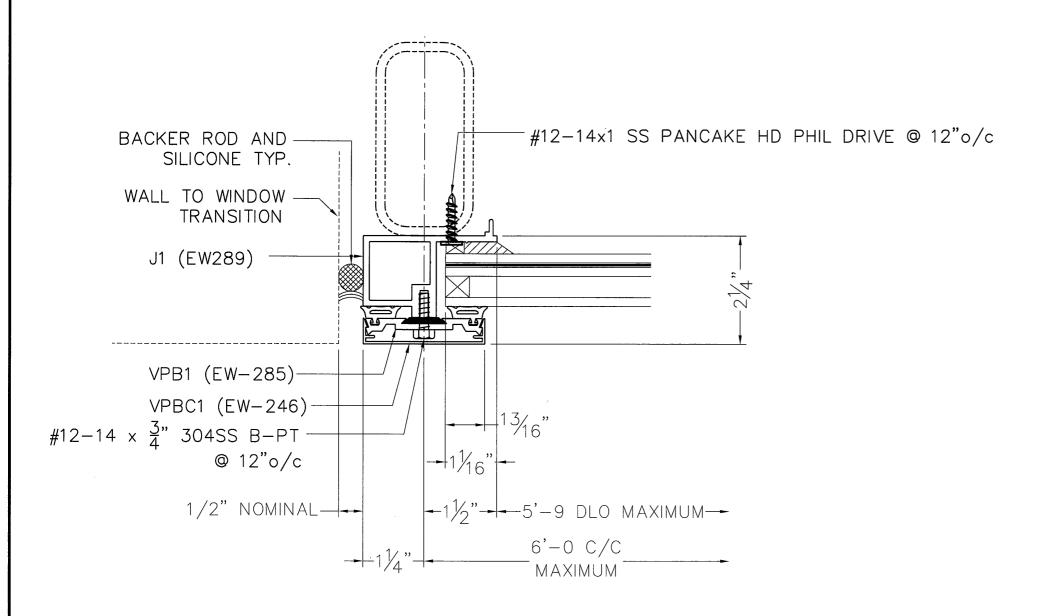
FORMAVUE FV400HR **WINDOW SYSTEM DETAILS** 

ISSUE# DATE: ISSUE# DATE: ISSUE# DATE: 10-16-09 DRAWING NO. 001

6 of 11 SHEET NO.

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SECTION EE

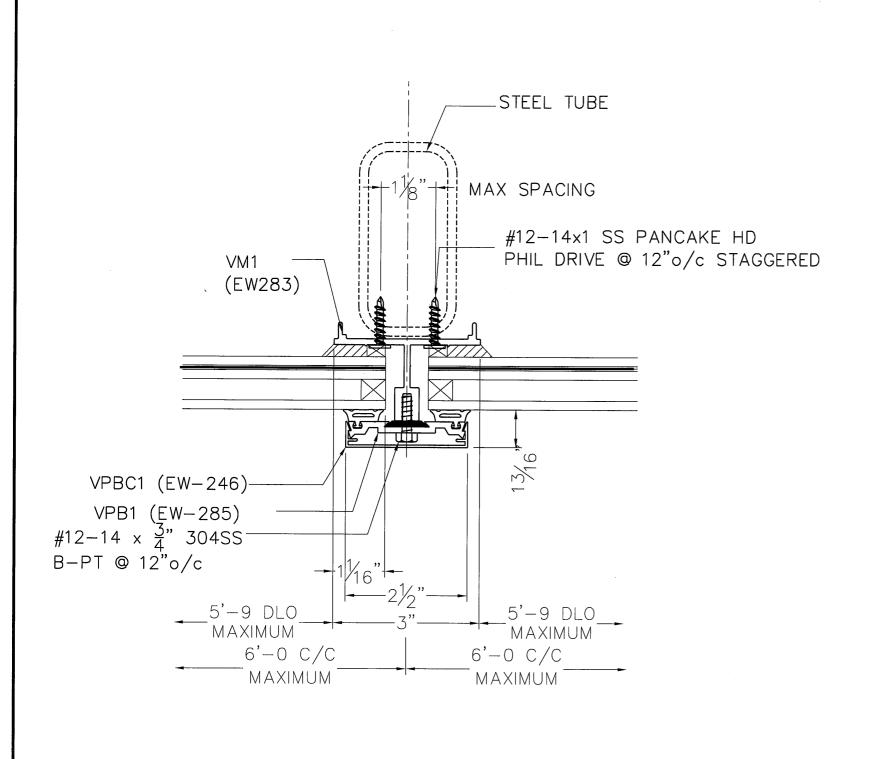
TYPICAL SECTION THRU WINDOW JAMB SEE GLAZING DETAILS SHEET 11

	TRIA,INC  R GRADE ROAD PA 18109—2844 789 7474
DWN. BY: ReB	CHK. BY: DMB
DATE: 10-16-09	DATE: 10-16-09

FORMAVUE FV400HR WINDOW SYSTEM DETAILS

ISSUE#	DATE:
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ISSUE# 0	DATE: 10-16-09
DRAWING NO.	001

SHEET NO. 7 of 11



TYPICAL SECTION THRU MULLION SEE GLAZING DETAILS SHEET 11

**CENTRIA,INC** DWN. BY: ReB CHK. BY: DMB DATE: 10-16-09 DATE: 10-16-09

FORMAVUE FV400HR **WINDOW SYSTEM DETAILS** 

ISSUE# DATE: ISSUE# DATE: ISSUE# DATE: 10-16-09 DRAWING NO. 001

8 of 11 SHEET NO.

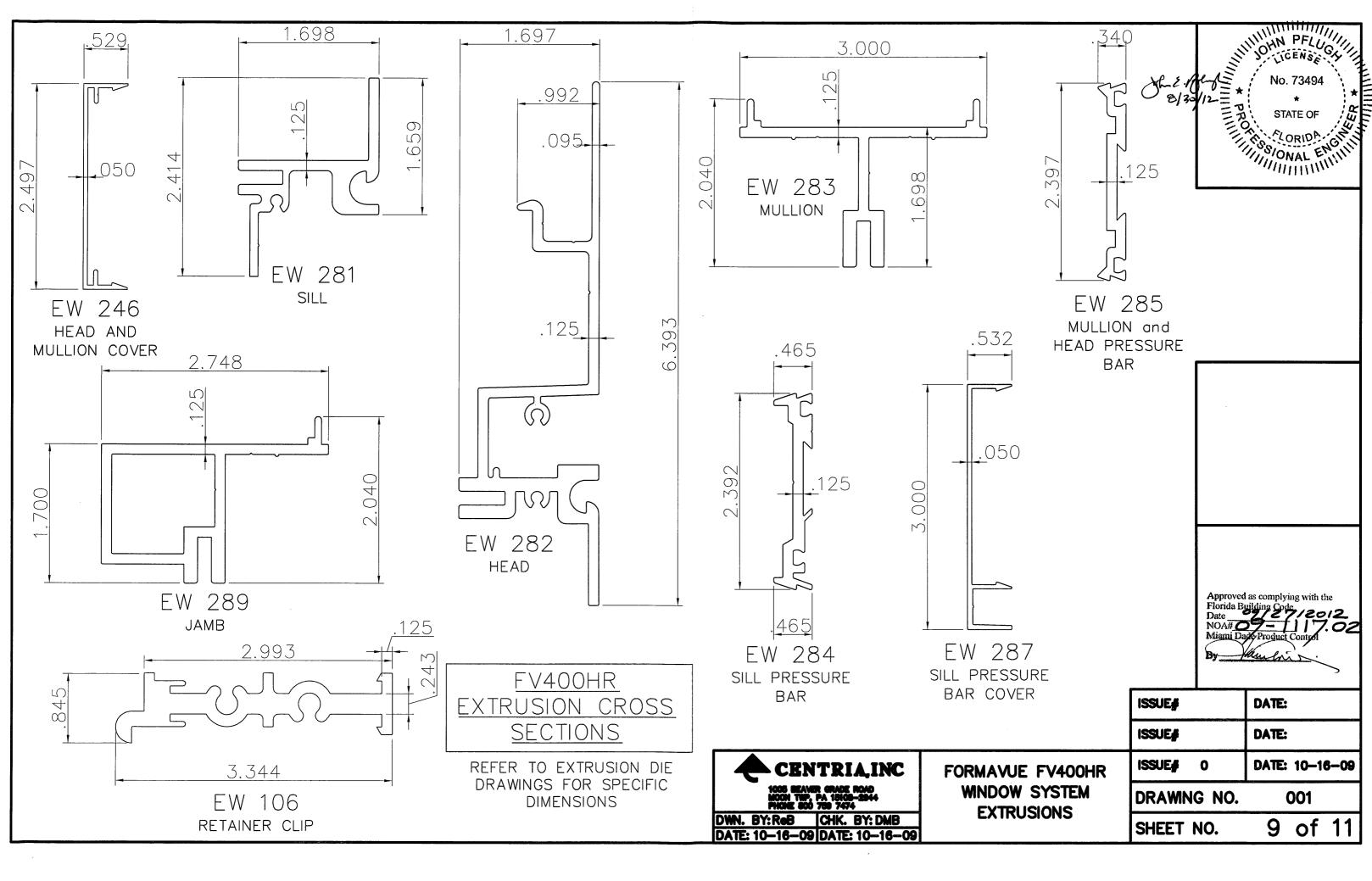
Approved as complying with the Florida Building Code

No. 7345

No. 7345

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STATE OF

ONLY



# FV400HR

#### STEEL THRU-TUBE WINDOW SYSTEM

#### **GENERAL NOTES ACCESSORIES**

#### **RECEIVING AND HANDLING**

1. RECEIVING
UPON ARRIVAL OF WINDOW BUNDLES AT THE JOB SITE, THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SHIPMENT
FOR DAMAGE & SHORTAGES. IF DAMAGE OR SHORTAGE IS OBSERVED, A CLAIM MUST BE FILED WITH THE CARRIER AT ONCE,
AND THE DRIVER'S DELIVERY DOCUMENTS MUST BE NOTED.
IF THERE ARE CONCEALED DAMAGES OR SHORTAGES, THE CARRIER MUST BE NOTIFIED WITHIN 15 DAYS AFTER DELIVERY. A
FORMAL MATERIAL INSPECTION REPORT IS TO BE REQUESTED FROM THE CARRIER AT THE TIME OF NOTIFICATION,
PHOTOGRAPHS OF THE DAMAGED COMPONENTS IN THEIR ORIGINAL PACKAGES ARE NEEDED WHEN SUBMITTING A CLAIM.

2. HANDLING
WINDOW PRODUCTS MUST BE CAREFULLY HANDLED AT ALL TIMES TO PREVENT DAMAGE TO THE SURFACES EDGES AND ENDS.
WINDOW PRODUCTS MUST BE CAREFULLY HANDLED AT ALL TIMES TO PREVENT DAMAGE TO THE SURFACES EDGES AND ENDS.

(4) INCHES MIDE, IN A VERTICAL POSITION AROUND THE ENTIRE BUNDLE OR CRATE, SO AS TO SAFELY BALANCE THE LOAD AND PREVENT COMPONENTS FROM SLIDING. EMPLOY THE USE OF A SPREADER BAT TO MAINTAIN A VERTICAL POSITION OF THE SLINGS. DO NOT LIFT BUNDLES BY THE COLLARS. DO NOT USE CABLES TO UNLOAD.

#### MATERIAL STORAGE

1. KEEP MATERIAL DRY
WHEN STORED OUTDOORS, ANY MOISTURE THAT ENTERS THE BUNDLE CAN AFFECT THE PRODUCT FINISH. PLACE TARPS OR
SHROUDS OVER THE BUNDLES IN A MANNER THAT ALLOWS FOR GOOD AIR CIRCULATION. TIGHTLY COVERED OR
ENCAPSULATED BUNDLES MAY CREATE A "GREENHOUSE EFFECT" WITH TEMPERATURES GREATLY EXCEEDING THE
SURROUNDING AIR TEMPERATURE. COMBINED WITH MOISTURE, THIS CONDITION CAN RESULT IN BACTERIAL AND CHEMICAL

2. MINIMIZE MATERIAL STORAGE
PRODUCTS THAT ARE NORMALLY UTILIZED WITHIN EIGHT WEEKS FROM SHIPMENT CAN BE PLACED AT CONVENIENT LOCATIONS
TO MINIMIZE HANDLING DURING INSTALLATION, KEEP THESE BUNDLES AND PACKAGES A MINIMIM OF SIX (8) INCHES OFF THE
GROUND. PLACE ON TIMBERS WITH ONE END ELEVATED TO PERMIT DRAINAGE. STACK BUNDLES NO MORE THAN TWO (2)
HIGH, WITH COLLARS IN VERTICAL ALIGNMENT. IF COLLARS DO NOT ALIGN, PLACE 2" x 6" WOOD PLANKING LONGTUDINALLY
BETWEEN BUNDLES. STORE UNDER SHELTER FROM SUN AND RAIN, WHILE PERMITTING GOOD AIR CIRCULATION AROUND AND
BETWEEN BUNDLES.

BE IWEEN BUNDLES.

3. LONG TERM STORAGE
WINDOW PRODUCTS THAT WILL BE UTILIZED IN THE WORK BETWEEN EIGHT WEEKS AND TWELVE (12) MONTHS AFTER RECEIPT
MUST BE STORED AND PROTECTED IN A COVERED, DRY LOCATION THAT PROVIDES GOOD AIR CIRCULATION AROUND AND
BETWEEN BUNDLES, SHIELDED FROM DIRECT SUNLIGHT AND FREE FROM THE EFFECTS OF MOISTURE AND OTHER CORROSIVE
ENVIRONMENTS.

ENVIRONMENTS.

4. EXTENDED MATERIAL STORAGE
STORAGE OF WINDOW PRODUCTS IN EXCESS OF TWELVE (12) MONTHS AFTER RECEIPT IS NOT RECOMMENDED.

#### SUBSTRUCTURE ALIGNMENT

VERIFICATION OF SUBSTRATE / ARCHITECTURAL
IT IS IMPORTANT THAT THE SUPPORT FRAME IS INSTALLED CORRECTLY. IF THE ALUMINUM TUBES HAVE EXCESSIVE VARIATION
FROM THE PLANE OF THE WALL, IT CAN CAUSE MISALIGNENT AND UNACCEPTABLE VARIATIONS IN JOINTS AND
CONNECTIONS. THE MAXIMUM DEVIATION OF THE PLANE OF THE ALUMINUM TUBES SHOULD NOT EXCEED JA"E. IN ANY 20
FEET LENGTH, HORIZONTALLY OR VERTICALLY, THIS DEVIATION CANNOT VARY MORE THAN 1/8" FOR ADJACENT TUBES. TRANSITION AREAS SUCH AS CORNERS AND SOFFITS SHALL HAVE TUBES WITHIN ±1/8" OF THE THEORETICAL GIRT PLANE.

THE SURFACE OF THE SUBSTRUCTURE TO WHICH TUBES ARE TO BE ATTACHED MUST BE FREE OF BOLT AND RIVET HEADS, EXCESSIVE WELDS OR ANY OTHER OBSTRUCTIONS WHICH COULD PREVENT PROPER BEARING. ALL STRUCTURAL SUPPORTS SHALL BE IN PLACE AND ALL SAG RODS, DIAGONAL BRACING, AND CONNECTIONS SHALL BE TIGHTENED BEFORE WORK PROCEEDS.

IN NO CASE SHALL TUBES BE ERECTED PRIOR TO POURING THE FLOOR AND OR ROOF SLABS. DEAD LOAD DEFLECTIONS WILL CAUSE SEVERE TUBE ALIGNMENT PROBLEMS.

DRILL BIT CHART FOR EXTRUDED		ALUM THK	ALLOWABLE PULLOUT LOAD			
		1/8" TO 3/16"	1/8" 6063 T6	3/16" 6063 T6	#2 #1 #4	
AL	UMINUM SUBSTRATES	DRILL SIZE	LBS	LBS		
	1/4"-14 "A" POINT	#4	314	614	1	
- 1	1 1 / 4 - 14 AB PUNI	#4	314	614	1	
	#12-14 "B" POINT	#12 OR 3/16"	271	530	1	
	#10-16 "AB" POINT	#23 OR 5/32"	239	509	1	

#### **FASTENER INSTALLATION**

CLEARANCE 1. 135 DEGREE SPLIT POINT HIGH SPEED SHEETERS DRILL BITS ARE RECOMMENDED.
2. A DRILL SPEED OF 2000-2500 RPM IS RECOMMENDED TO MINIMIZE DRILLING TIME AND HEAT BUILD-UP IN

2. A DRILL SPEED OF 2000-2500 RPM IS RECOMMENDED TO MINIMIZE DRILLING TIME AND THAT BOLLD-OF THE DRILL BIT.

3. THE SHARPNESS OF THE DRILL BIT AIDS IN THE DRIVING OF 300 SERIES STAINLESS SCREWS. SHARP DRILL BITS TAKE OUT LARGER CHIPS AND FORM GROOVES IN THE DRILLED HOLE. THESE GROOVES ARE EASILY FORMED INTO THREADS BY THE SELF TAPPING SCREW. A DULL BIT REMOVES SMALLER CHIPS, MAKING IT HARDER FOR THE SELF TAPPING SCREW. TO DISPLACE METAL AND FORM THREADS.

4. TEST DRILL EACH PURLIN OR GIRT TYPE TO ENSURE PROPER DRILL BIT SIZE, ESPECIALLY WITH 300 SERIES EXAMPLES CETTER OF THE SELF TAPPING.

4. IEST DRILL EACH PURLIN OR GIRT TYPE TO ENSURE PROPER DRILL BIT SIZE, ESPECIALLY WITH JOO SER STAINLESS STEEL SCREWS.
5. IMPROPER PILOT HOLE SIZE MAY LEAD TO PREMATURE FAILURE OF FASTENER OR LOWER PULLOUT RESISTANCE THAN IS REQUIRED STRUCTURALLY.
6. THE DRILLED HOLE IS TO BE PERPENDICULAR TO THE STRUCTURE AND THE SCREW IS TO BE DRIVEN IN SAME MANNER. IF THE SCREW IS DRIVEN IN AT AN ANGLE APPRECABLY DIFFERENT FROM THAT AT WHICH HOLE IS DRILLED, THREAD ROLL—OVER IS LIKELY WITH JOO SERIES STAINLESS STEEL FASTENERS AND WITH THICKER SIGNETARIES.

INICAE SUBSINATES

7. RECOMMENDED SCREW GUN SPEED / 600-900 RPM / 300 SERIES SELF TAPPING SCREWS.

8. RECOMMENDED SCREW GUN SPEED / 1800 RPM / CARBON STEEL SELF TAPPING SCREWS.

9. RECOMMENDED SCREW GUN SPEED / 1800-2000 RPM / SELF-DRILLING FASTENERS.

10. LEAVE CLEARANCE BETWEEN PAINTED WASHER AND SOCKET TO ENSURE DRIVE DOES NOT COME IN

CONTACT WITH WASHER. (FIG.2)

#### **SEALANTS**

USE ONLY CENTRIA. INC. APPROVED SEALANTS
Weatherproofing Sealant
Dow Corning 791
O.E. Silpruf 2000

Description of the control of the control

IF CENTRIA, INC PROVIDES SEALANT DOW CORNING WILL BE SUPPLIED.

1. SILICONE SEALANT (DOW CORNING 791)
ONE PART MEDIUM-MODULUS, ELASTOMERIC
SEALANT, USE AT EXPOSED CONDITIONS WHERE
A FLEXIBLE WEATHER SEAL IS REQUIRED, & FOR
SPLICES OF HEAD, STACK, SILL RAILS & ALL
INTERNAL WINDOW SEALS.
NOTE: COLORS - BLACK, PRECAST WHITE, GREY,
LIMESTONE AND BRONZE.
C O I O R.

2. STRUCTURAL SILICONE SEALANT (DOW CORNING 995) NEUTRAL, ONE PART SEALANT/ADHESIVE USED FOR STRUCTURAL GLAZING AND IMPACT RESISTANCE APPLICATION. COLOR: BLACK



BACKER ROD SIZE WHEN REQUIRED SEALANT IDENTIFICATION

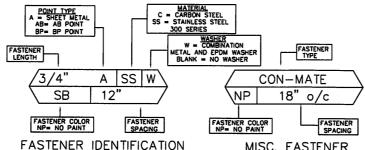
3. POLYURETHANE SEALANT/CARTRIDGES PECORA DYNATROL 1 ONE-COMPONENT, CURING JOINT SEALANT, USED AT EXPOSED CONDITIONS AND LIMITED MOVEMENT CONDITIONS

4. NON-CURING BUTYL / CARTRIDGES. 4. NON-CURING BUTL / CARMIDGE.

(TREMCO 15773)

BUTL RUBBER AND POLYSOBUTYLENE. USE AT UNEXPOSED CONDITIONS AND ALL LINER PERIMETER VAPOR SEALS.

5. BACKER ROD NON-GASSING CLOSED CELL BACKER ROD.

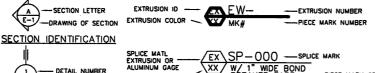


MISC. FASTENER IDENTIFICATION

#### **FASTENER GUIDELINES**

1. FASTENER LENGTH
10 DETERMINE PROPER FASTENER LENGTH - THE FASTENER SHOULD PENETRATE SUBSTRATE MATERIAL AT
LEAST 1/4" BEYOND TO ENSURE PROPER ENGAGEMENT.
2. FASTEN THROUGH LIGHTEST MEMBER TO HEAVEST MEMBER WHEN ATTACHING TWO MATERIALS TOGETHER.
3. USE A304 STAINLESS STEEL FASTENERS IN ALL EXPOSED APPLICATIONS.
4. USE A304 STAINLESS STEEL FASTENERS WHEN ATTACHING STAINLESS STEEL AND ALUMINUM PANELS IN BOTH
EXPOSED AND CONCEALED APPLICATIONS.
5. USE CARRON FASTENERS WHEN ATTACHING GALVANIZED OR GALVALUME STEEL PANELS IN CONCEALED
APPLICATIONS.
6. NEVER USE 410 STAINLESS STEEL FASTENERS WITH ALUMINUM PANELS.
7. LOADING: ENSURE THAT THE PROPER TYPE AND NUMBER OF FASTENERS ARE SPECIFIED TO WITHSTAND THE
DESION LOAD WITH THE APPROPRIATE FACTOR OF SAFETY APPLIED.
10. SERVICE LIFE OF FASTENER: SELECT FASTENERS WHICH WILL OUTLAST THE SERVICE LIFE OF THE MATERIALS
BEING FASTENED. COMMON PRACTICE IS TO USE FASTENERS WHICH ARE MADE OF METALS OR ALLOYS EQUAL
TO OR MORE CORROSION RESISTANT THAN THE MATERIAL THEY JOIN, WHEN IN DOUBT USE 304 STAINLESS
STEEL FASTENERS.

#### DRAWING SYMBOLS



DETAIL DRAWING NUMBER **DETAIL IDENTIFICATION** 

**DRAWING PREFIXES** 

SP-000 — SPLICE MARK
XX W/ 1" WIDE BOND
BREAKER TAPE — PIECE ----PIECE MARK OF SPLICE COLOR EXTRUSION\_IDENTIFICATION

KP = KEY PLAN
GN = GENERAL NOTES
E = PANEL ELEVATIONS &
ROOF PLANS
D = PANEL DETAILS

FLASH SKETCHES SHOP FABRICATION

FOR PANELS AND FLASHING

SE = PANEL SUPPORT ELEVATIONS
SD = PANEL SUPPORT DETAILS
SS = SHOP FABRICATION OF
PANEL SUPPORTS
FF = FIELD FABRICATIONS

### STEEL

#7 = .2019 #2 = .2219 DRILL BIT CHART FOR 1/4"-14 AND 14-10 SCREWS AND 14-13 SCREWS

				SUB	STRAT	E THIC	KNESS	/ ST	EL		
		16 GA AND LIGHTER	14 GA	12 GA	.125	10 GA	3/16	1/4	5/16	3/8	3/8
						DRILL	SZE				
F	Α	3/16"									
1 2	AB	3/16"	#7	#7	#2	#2					
STEN	B&BP		#7	#7	#2	#2	#1	#1	#1	#1	#1 OR .231**
٤	#17 AB REPAIR FAST	1/4"									

\*\* NOTE: DEPENDING ON SUBSTRATE TENSILE STRENGTH / .231 DRILL BIT MAY BE REQUIRED, ESPECIALLY FOR 300 SERIES STAINLESS STEEL SCREWS.

JAMB EXTRUSION	EW246	JC-
MULLION COVER	EW246	MC-
INTERIOR TRIM	EW286	IT-
VERT TEE MULLION	EW283	VTM-
DRYWALL EXTENSION	EW220	D-
HEAD	EW282	н-
HEAD COVER	EW246	HC-
SILL	EW281	S-
SILL COVER	EW287	SC-
PRESSURE BAR COVER	EW246	VPBC- or HPBC-
HORIZ TEE MULLION	EW288	HTM-
PRESSURE BAR	EW285	VPB- or HPB-

**EXTRUSIONS** 

COLOR

FINISH

ALLOY

TEMPER

COLOR

FINISH

ALLOY

TEMPER

**FASTENERS** 

304 STAINLESS STEEL

CUSTOMER NOTE CENTRIA's, INC." FOR APPROVAL drawings should not be

utilized to determine glass sizes. Glass to be sized only on "ISSUED FOR FILES AND DISTRIBUTION" submittal. CENTRIA, INC will not accept liability for glass size based

on unapproved drawings.

TO STATE

TO STA DWG FILE: FV400HR GEN NOTE

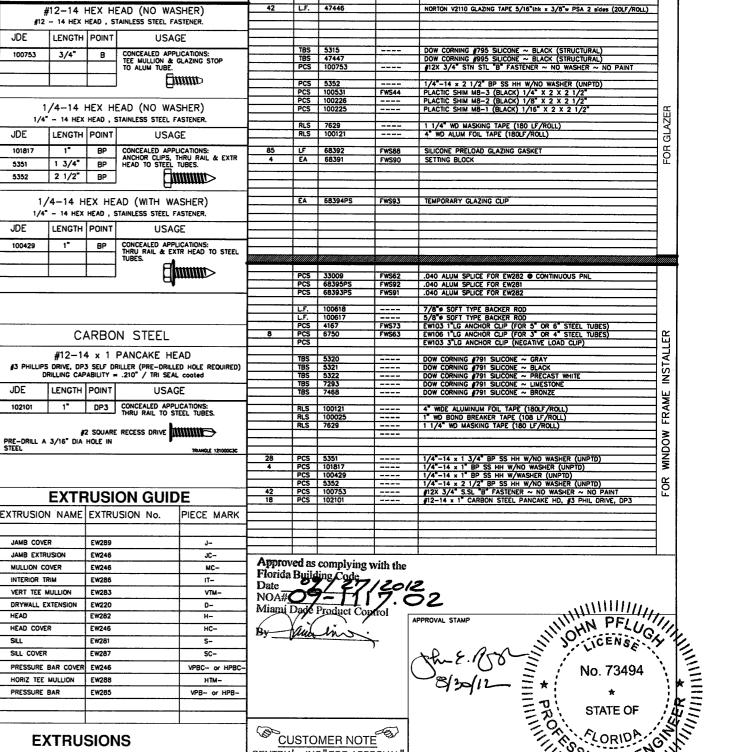
# CENTRIA INC

1005 BEAVER CRADE ROAD WOON TWP., PA 15108-2944

_							PHONE: (412) 2	99-8000	PAX: (412) 299	-8317
4				• 1	FASTENING SCHEDULE .		BY	DATE	CONTRACT No.	
4			<u> </u>	CUSTOMER:		DRAWN			10 of 1	1
1		_		OWNER:	1	CHECKED			DRAWING No.	
	For Approval			PROJECT:	ł	SECTION			ı	
	DESCRIPTION	BY	DATE	LOCATION:		MANAGER			1	

Silversmith

Mica



MISCELLANEOUS MATERIAL FOR FV400HR WINDOWS

